



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/675,345
Filing Date	09/30/2003
First Named Inventor	Bennett M. Richard
Art Unit	1732
Examiner Name	unknown
Attorney Docket Number	D5407-186

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
Dre		US- 3,203,451	08/31/1965	Vincent	
		US- 5,454,419	10/03/1995	Vloedman	
		US- 5,695,008	12/09/1997	Bertet, et al.	
Dre		US- 6,089,320	07/18/2000	LaGrange	
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**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
Dre		WO 00/61914	10/19/2000	Shell Canada		
		WO 02/064653 A2	08/22/2002	Univ. of IL		

Examiner  
SignatureDate  
Considered

9/30/05

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Sheet	2	of	2
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
me		Database WPI, Section CH, Week 199315, Derwent Publications Ltd, London, GB; Class H01, An 1993-124895, XP00282757 & SU 1730429 A (Turkmennipineft Oil Ind Inmst), 30 April, 1992 Abstract	
me		LEONARD LE BLANC: Part II: "Smart Metals" Providing Acutation, Sealing, and Connection Functions Downhole", Offshore, Vol. 62 No. 1, January 2002, Pages. 54, 56, 77, XP002282756, ISSN: 00300608, 6 pages	

Examiner Signature		Date Considered	9/30/05
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Sheet 1 of 2**U. S. PATENT DOCUMENTS**

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		Number-Kind Code <sup>2</sup> (if known)			
<i>MR</i>		US- 4,752,431	06/21/1988	Knowles	
		US- 5,634,743	06/03/1997	Chandler	
		US- 5,925,409	07/20/1999	Nava	
<i>MR</i>		US- 2001/0010781A1	08/02/2001	Prusak	
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<i>MR</i>		DE 3732694 A1	04/13/1989	Lemcke		
<i>MR</i>		WO 93/15131	08/05/1993	Chandler		

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Substitute for form 1449/PTO		<b>C m p l t e i f K n o w n</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	
		Filing Date	09/30/2003
		First Named Inventor	Bennett M. Richard
		Art Unit	
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	D5407-186

NON PATENT LITERATURE DOCUMENTS			
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me		Michael Tupper, et al.; "Developments in Elastic Memory Composite Materials for Spacecraft Deployable Structures," IEEE, 2001, 7 pages	
me		"Plastics that can heal themselves," R & D Magazine, July 2002, 13	
me		C. Liang, et al.; "Investigation of Shape Memory Polymers and Their Hybrid Composites," Journal of Intelligent Materials Systems and Structures, April 1997, vol. 8, 380-386	
me		Thomas W. Murphey, et al.; "Some Micromechanics Considerations of the Folding of Rigidizable Composite Materials," American Institute of Aeronautics and Astronautics; paper 2001-1418 April 2001 1762-1772	
me		Wolfgang G. Knauss; "Perspectives in Experimental Solid Mechanics," International Journal of Solids and Structures 37, 2000, 251-266	

Examiner Signature	<i>AmCell</i>	Date Considered	9/30/05
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